

ABSTRACT

A display 1a with a shading means is divided into three areas. A shading part of the shading means shifts by $1/4$ of a pitch of the shading part in each of the areas. When the shading part shifts by the $1/4$ of the pitch, an image passes by corresponding to each of areas after shifting. An image display surface is also divided into areas by corresponding to the above division into areas, and a display order of a left eye image and a right eye image in stripe shapes is controlled for each of the areas. Shifting by the $1/4$ of the pitch is not provided in the H2 area, but is provided in the H1, H3 areas, and replacement of the left eye image and the right eye image is provided only in the H1 area. In this case, the right eye image passes through L1' from the H1 area and enters a right eye of the viewer, the right eye image passes through R2 from the H2 area and enters the right eye of the viewer, and the right eye image passes through R2' from the H3 area and enters the right eye of the viewer. Therefore, only the right eye image is supplied to the right eye of the viewer 2 shifting backward from an optimum viewing position D.